1st Ra Bill

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

SBR No: 000013
Date: 26-07-2018

No.
Date:
Sub- Division:

**Division:** Electrical (DASARAHALLY)
**Bill Received No**.....Dated.....Cash Book Voucher No.....dated.....
**Scheduled Docket Name of Work (as per sanctioned estimate)**;- Maintenance and repairs to electrical installation in BBMP building schools maternity homes community hall markets and other current works..

BRNO: 000011
Date: 26-07-2018

**BILL Period:-** 01-01-2018 to 30-06-2018 (6 months)
**Contractor and Full Address:**M/s Chethan Electrical Prop:Sri G. chikkanna.
**Work Order No**: : EE/(Elec)/Das/WO/000014/2017-18
Dated :02-01-2018

Job No:- 012-17-000042

Reference to Agreement Date .....

For CHETHAN ELECTRICAL

Certified that the measurements were taken by me on 25/7/18 and recorded of pages 5125 to 5178 of Measurement Book No 5126 and that the work is satisfactorily executed.

Contractor 5/2583 Proprietor

Officer in charge of work

Certified that the measurements were taken by me on 25/7/18 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

Sub-Divisional Officer/ASSISTANT ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

II Memorandum of Payment

| | |
|---|---|
| 56) Total value of work done or supplies as per account within | 1st & Part 210644 = |
| 57) Deduct amount to be held in reserve being .....percent Rs..... | IT 2% 4214 = |
| 58) " Balance | Lwc 1% 2110 = |
| 59) Deduct payment : | CBF 0.1% 210 = |
| w) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No..... | TD 6534 = |
| Amount adjusted towards cash advance recovery of | Net 204110 = |
| x) Payments cost store or other material supplied. | |
| Now made recovery amount creditable to this/ other work | |
| Amount paid on this bill cheque/cash | |
| 60) Balance being unpaid value of work done held in reserve | |
| 6) Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments | |
| 7) Net amount due to or from contractor | |
| **Unadjusted items** | |
| 8) Advance to contractor for materials brought to site (as detailed) within Value of Government materials supplied | |

For CHETHAN ELECTRICAL

Contractors Signature
Proprietor

Received Rs.....(in words)
by cash and adjustment of payment as per memorandum.
Witnesses
1.
2.
Date.....Signature of contractor
Paid by me by cheque No.....Dated.....
Cash Rs.....Dated.....

Audited and admitted for Rs. 210644/-
Passed by Cheque for Rs. 204110/-
(Two lakh four thousand one hundred ten only)
adjustment Rs. 6534/-

For CHETHAN ELECTRICAL
Stamp
Proprietor

(For use in the office)

Superintendent
Exe. Engineer (Ele)
Initials of officer making payment

Executive Engineer (Ele)

B.B.M.P. Dasarahalli Division

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| Sl. No. | Description of item | Unit |
|---|---|---|
| | **Name of work:-** Maintenance and repairs to electrical installation in BBMP building schools maternity homes community hall markets and other current works. | |
| 1 | Licenced electrician wiremen fitter with tools (Skilled)<br>Rs.13365/Person/Month.<br>Rs.13365*12=1,60,380/Person/Year.<br>KAE71LWA 2015 Dated 04-08-2016 | Per Person Per Month |
| 2 | a).Helper (Electrical) (Semi-Skilled)<br>Rs.11011/Person/Month.<br>Rs.11011*12=132132/Person/Year.<br>KAE71LWA 2015 Dated 04-08-2016 | Per Person Per Month |
| 3 | Supplying & Changing of Alternator AVR.( Automatic Voltage Regulator) | Nos |
| 4 | Supplying & Changing of Dynamo repair Kit such as Corbons, Bearings & Diode Etc,. | Nos |
| 5 | Supplying of Switch disconnector fuse unit (TPN) HRC type (but without HRC fuses). With AC-23A duty and as per IS-13947. 2) 125Amps | Each |
| 6 | Supplying and fixing HRC fuse link on existing switch fuse base with watt loss as per IS-13703. 3) 125Amps | Each |
| 7 | Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply.400mm Sweep | Each |
| 8 | Supply of 230 V CFL Lamp Holder 2 pin | No |
| 9 | Point wiring using Copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.<br>GROUP A Long point above 6Mtr upto 10Mtr from tapping point to out let via switch | Mtr |
| 10 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -A.1.5 sqmm | Rmt |
| 11 | 4)4 sqmm | PER Mtr |
| 12 | Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board GROUP A 6Amps SP Switch | Nos |
| 13 | 6Amps 3 way 5 pin Socket | Nos |
| 14 | 16 Amps SP switch | No |
| 15 | 16 Amps 3 way 5 pin socket | No |
| 16 | 32 Amps Bakelite DP | No |
| 17 | 16/6 Amps combined plug and socket wit control switch | No |
| 18 | 2'/4' - 36/40 Watts Fluorescent Tubes: Supplying and fixing of 36W Fluorescent Tube with 36W power consumption with initial lumen of 2750 (3000 deg K / 4000 deg K) with rated avg life of greater than 10000 hrs. | No |
| 19 | Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes : Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes, Class H Insulated copper wire, Vacuum impregnated high quality with Low loss silicon steel lamination operated on 240V,50Hz supply with IEC 60920 (Safety) & IEC 60921(Performance) | No |
| 20 | Supplying of of 2 pin/4 pin 18W CFL Lamp | No |
| 21 | Condenser for ceiling fan/MV/SV/MH and other luminaires Upto 4 mfd | No |
| 22 | Upto 8 mfd | No |
| 23 | Stepped Fan Regulator | Each |

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No. Date:

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**Contractor and Full Address:**M/s Chethan Electrical Prop:Sri G. chikkanna.

**Work Order No**: : EE/(Elec)/Das/WO/000014/2017-18 Dated :02-01-2018

Reference to Agreement Date ..... Job No:- 012-17-000042

Certified that the measurements were taken by me on ..... and recorded of pages ..... to ..... of Measurement Book No ..... and that the work is satisfactorily executed.

For CHETHAN ELECTRICAL

Proprietor

Contractor

**Officer in charge of work**

25/7/18

Certified that the measurements were taken by me on..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

ASST. EXECUTIVE ENGINEER (Ele)
South Division, Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

II Memorandum of Payment

56) Total value of work done or supplies as per account within

57) Deduct amount to be held in reserve being .....percent Rs.....

58) " Balance

59) Deduct payment :

w) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....

Amount adjusted towards cash advance recovery of

x) Payments cost store or other material supplied.

Now made recovery amount creditable to this/ other work

Amount paid on this bill cheque/cash

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**Unadjusted items**

8) Advance to contractor for materials brought to site (as detailed) within Value of Government materials supplied

For CHETHAN ELECTRICAL

Proprietor

**Contractors Signature**

Received Rs.....(in words)

by cash and adjustment of payment as per memorandum.

Witnesses :

1.

2

Dated ..... Signature of contractor

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

For CHETHAN ELECTRICAL

Proprietor

(For use in the office)

Stamp

**Initials of Officer making payment**

**Executive Engineer (Ele)**

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| | | |
|---|---|---|
| 24 | LED Indoor Supplying of 4' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical conditionLED light fighting 4' - 28 watts | Nos |
| 25 | Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of overload and short circuit with thermal Magnetic/Micro processed release and Earth Fault as per IS-13947. (Icu=Ics). FOUR POLE<br>6) 125-160Amps 25kA. | Each |
| 26 | Supplying, installaion, testing & commis-sioning of 12Volts.. AH batteries in poly propylene container for D.G Sets low maintenance batteries. 4) 150 AH, Acid batteries. | Each |
| 27 | Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C.50 Hz 12/24v D.C. | Each |
| 28 | Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes<br>11) 95 sq mm long barrel | Each |
| 29 | 15) 240 sq mm long barrel | Each |
| 30 | Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 4) 5)160-200Amps | Each |
| 31 | 3) 60-70 amps | Each |
| 32 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required confirming IEC 60898. 6) 40-63 Amps TPN | Each |
| 33 | 3) 5-32Amps DP | Each |
| 34 | Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall / ceiling / Rafter / Girders | Each |
| 35 | Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring. | Each |
| 36 | Fixing of ..... Amps TPST / change over switch / Contactor along with neutral link with screws, bolts, nuts and wiring using required capacity wires and circuit labeling.00A to 250A TPST | Each |
| 37 | Rewinding a ..mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing.1200MM | Each |
| 38 | Filtering of oil in the transformer at the transformer center by hot process using "Stream line filter" such time the dielectric strength of the oil in the transformer conforms to ISI specification [Test certificate to be produced] | Litre |
| 39 | Supplying and Topping -up of new Transil OIL | Per Litre |
| 40 | Supplying and installation of insulated refrigerant copper tubing of 5/8`` and 3/8`` with polythene foam insulation 3 core 80 stand copper wiring between indoor and outdoor unit. Leak testing oil and gas charging for additional piping length of tube.Split | Mtrs |
| 41 | Supply and fixing of condensing coil for Split Air Conditioners.2 ton capacity | Nos |
| 42 | Supplying and fixing the fan motor for blowers and condenser of 1/5 HP single shaft/double shaft suitable for split /window air conditioners | Nos |
| 43 | supply and fixing cpacitor's (of approved make ) for window/split air conditoner | Nos |
| | Total Rs | |

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

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| | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| | | | | | Qty | Cost | |
| | | 0 | 1770.0 | 0.00 | 0 | 0.00 | |
| | | 1 | 5300.0 | 5300.00 | 1 | 5300.00 | |
| | | 0 | 20600.0 | 0.00 | 0 | 0.00 | |
| | | 3 | 350.0 | 1050.00 | 3 | 1050.00 | |
| | | 6 | 140.0 | 840.00 | 6 | 840.00 | |
| | | 3 | 460.0 | 1380.00 | 3 | 1380.00 | |
| | | 0 | 15800.0 | 0.00 | 0 | 0.00 | |
| | | 1 | 4600.0 | 4600.00 | 1 | 4600.00 | |
| | | 1 | 1800.0 | 1800.00 | 1 | 1800.00 | |
| | | 2 | 830.0 | 1660.00 | 2 | 1660.00 | |
| | | 0 | 90.0 | 0.00 | 0 | 0.00 | |
| | | 2 | 130.0 | 260.00 | 2 | 260.00 | |
| | | 1 | 350.0 | 350.00 | 1 | 350.00 | |
| | | 3 | 500.0 | 1500.00 | 3 | 1500.00 | |
| | | 0 | 16.0 | 0.00 | 0 | 0.00 | |
| | | 0 | 130.0 | 0.00 | 0 | 0.00 | |
| | | 0 | 1000.0 | 0.00 | 0 | 0.00 | |
| | | 1 | 20000.0 | 20000.00 | 1 | 20000.00 | |
| | | 0 | 3000.0 | 0.00 | 0 | 0.00 | |
| | | 2 | 300.0 | 600.00 | 2 | 600.00 | |
| | | | | 210644.00 | | 210644.00 | |

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| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| | | | | | | | |
| | | 1 Person 6 months | 13365.00 | 80190.00 | 6 | 80190.00 | |
| | | 1 Person 6 months | 11011.00 | 66066.00 | 6 | 66066.00 | |
| | | 1 | 8000.0 | 8000.00 | 1 | 8000.00 | |
| | | 0 | 2500.0 | 0.00 | 0 | 0.00 | |
| | | 0 | 4500.0 | 0.00 | 0 | 0.00 | |
| | | 0 | 258.0 | 0.00 | 0 | 0.00 | |
| | | 2 | 2000.0 | 4000.00 | 2 | 4000.00 | |
| | | 5 | 40.0 | 200.00 | 5 | 200.00 | |
| | | 0 | 250.0 | 0.00 | 0 | 0.00 | |
| | | 95 | 16.0 | 1520.00 | 95 | 1520.00 | |
| | | 0 | 38.0 | 0.00 | 0 | 0.00 | |
| | | 15 | 33.0 | 495.00 | 15 | 495.00 | |
| | | 10 | 51.0 | 510.00 | 10 | 510.00 | |
| | | 8 | 80.0 | 640.00 | 8 | 640.00 | |
| | | 8 | 90.0 | 720.00 | 8 | 720.00 | |
| | | 3 | 140.0 | 420.00 | 3 | 420.00 | |
| | | 4 | 240.0 | 960.00 | 4 | 960.00 | |
| | | 25 | 43.0 | 1075.00 | 25 | 1075.00 | |
| | | 12 | 330.0 | 3960.00 | 12 | 3960.00 | |
| | | 11 | 100.0 | 1100.00 | 11 | 1100.00 | |
| | | 5 | 70.0 | 350.00 | 5 | 350.00 | |
| | | 3 | 96.0 | 288.00 | 3 | 288.00 | |
| | | 3 | 270.0 | 810.00 | 3 | 810.00 | |

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